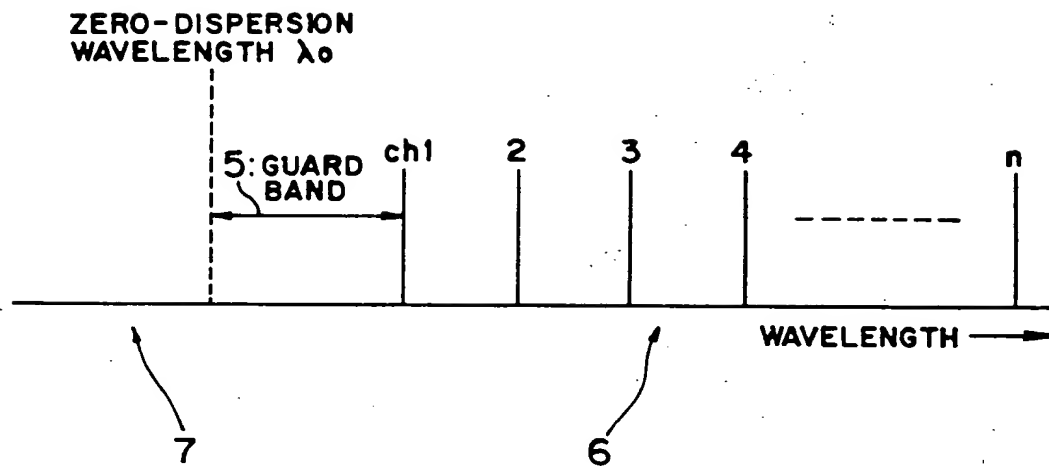


FIG. 1



860750-60000000

FIG. 2

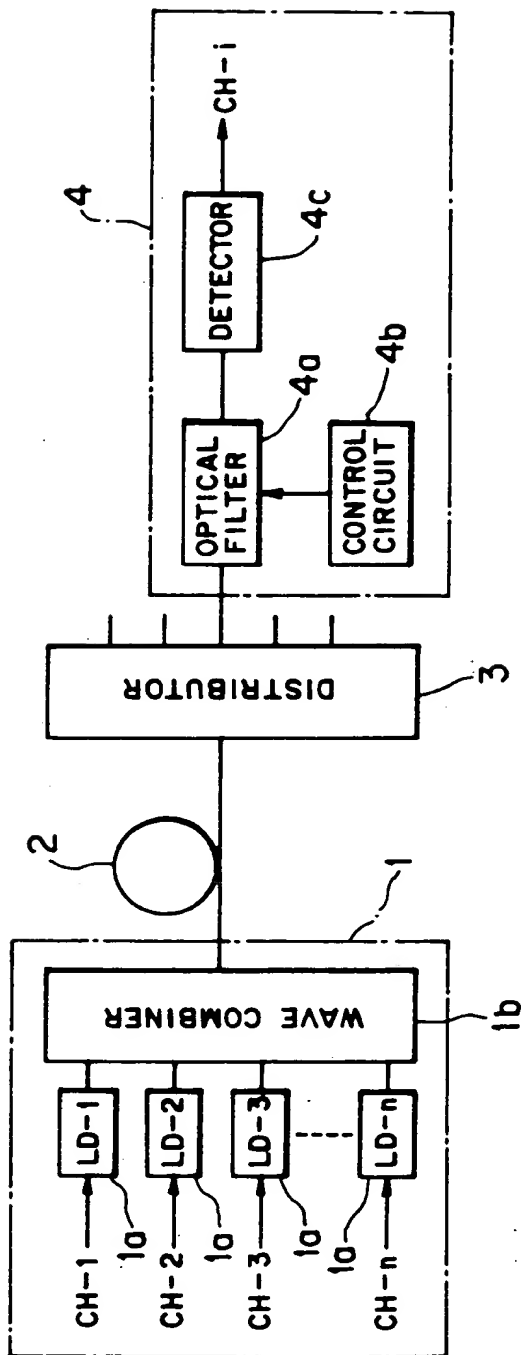


FIG. 3

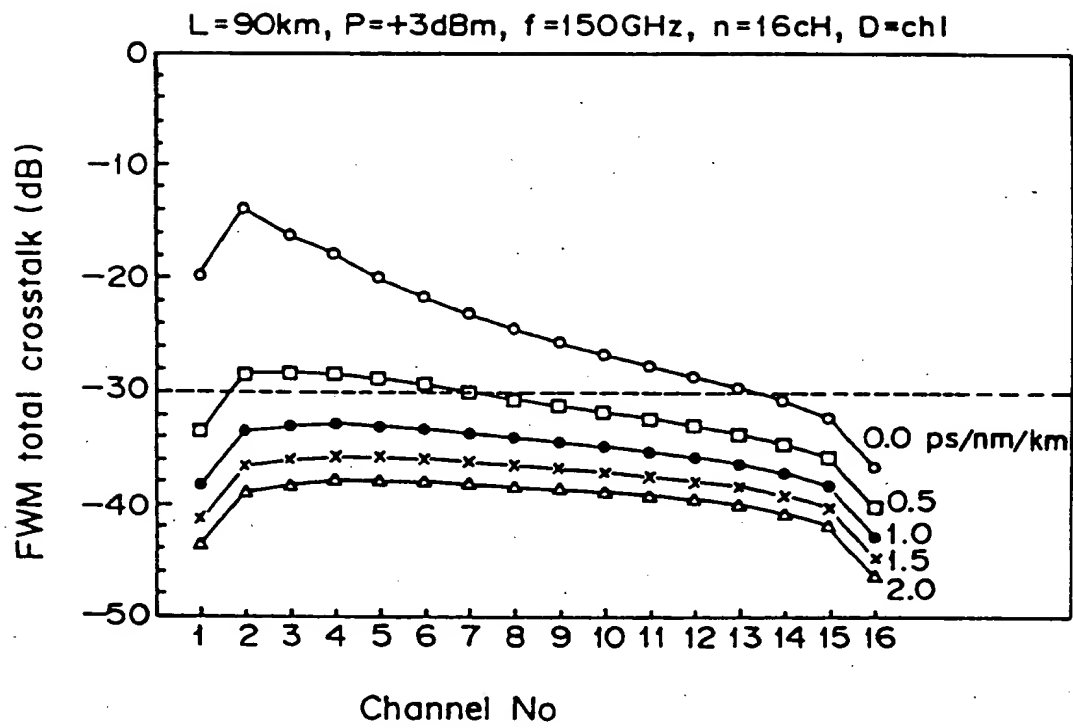


FIG. 4

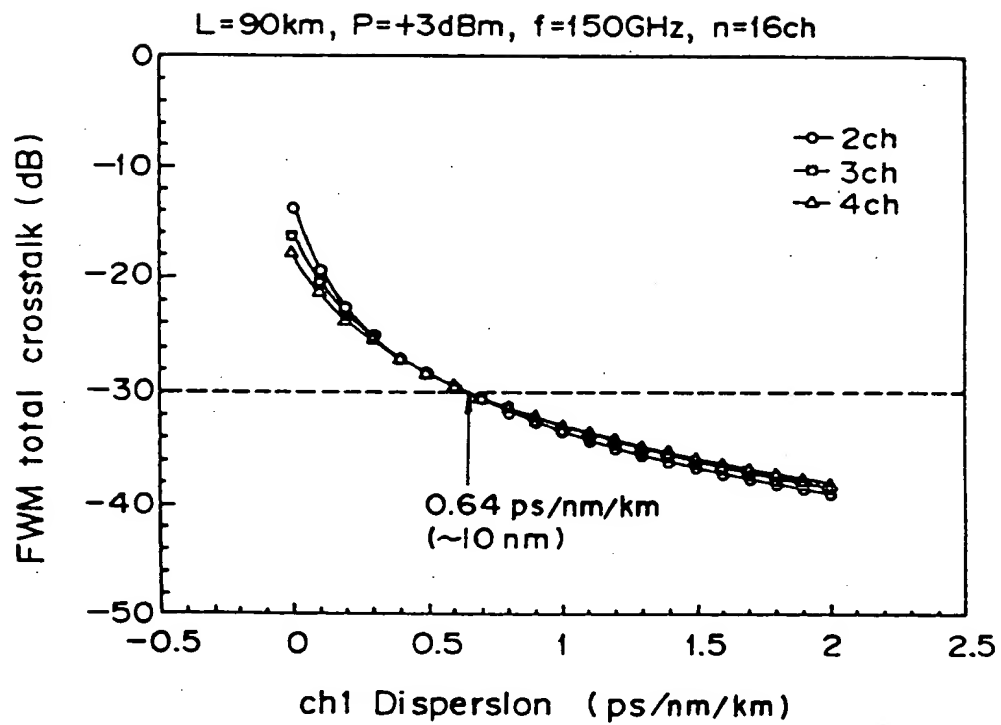


FIG. 5

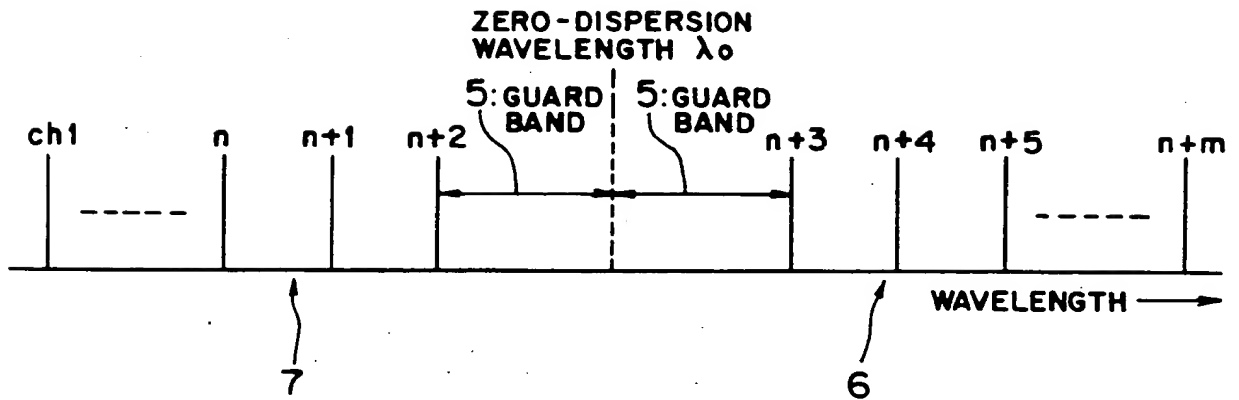
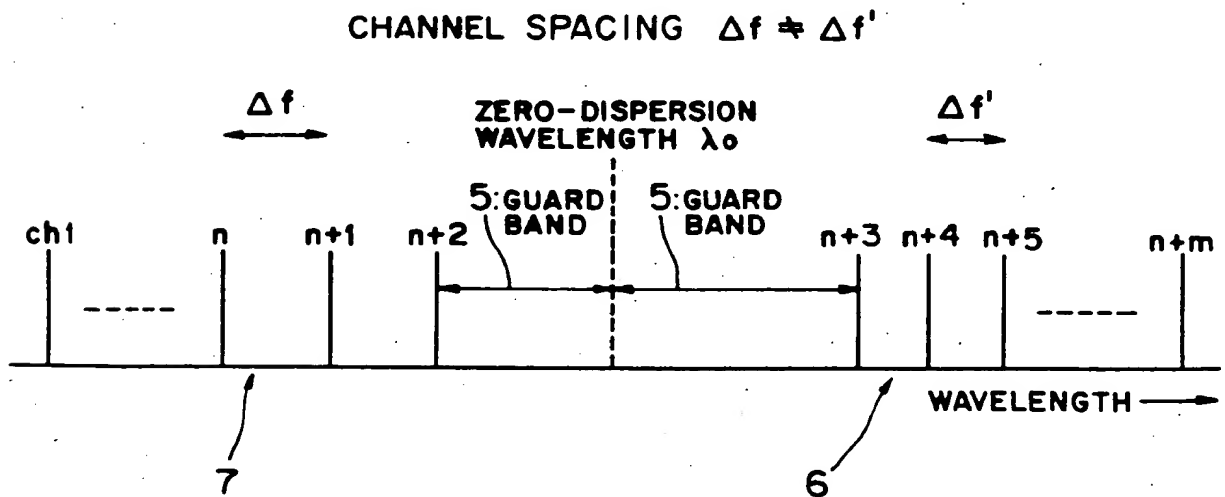


FIG. 6



20250-60000000

666750-60603000

FIG. 7

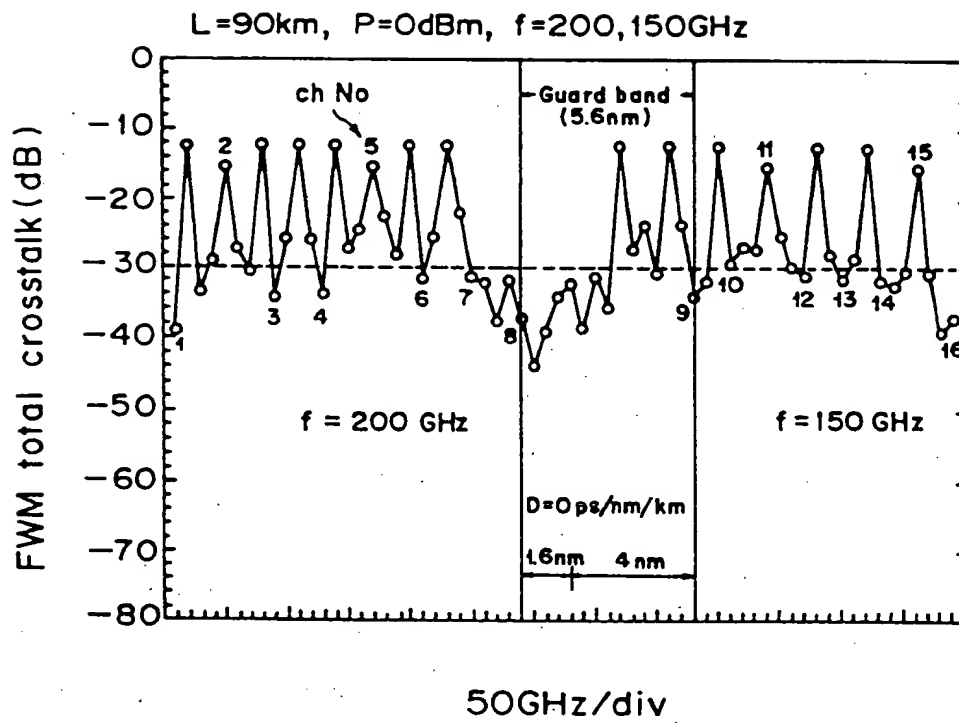


FIG. 8

CHANNEL SPACING $\Delta f = A \cdot X$ (A, B, C: INTEGERS
X: CONSTANT)
 $\Delta f' = B \cdot X$
 $\Delta f'' = C \cdot X$

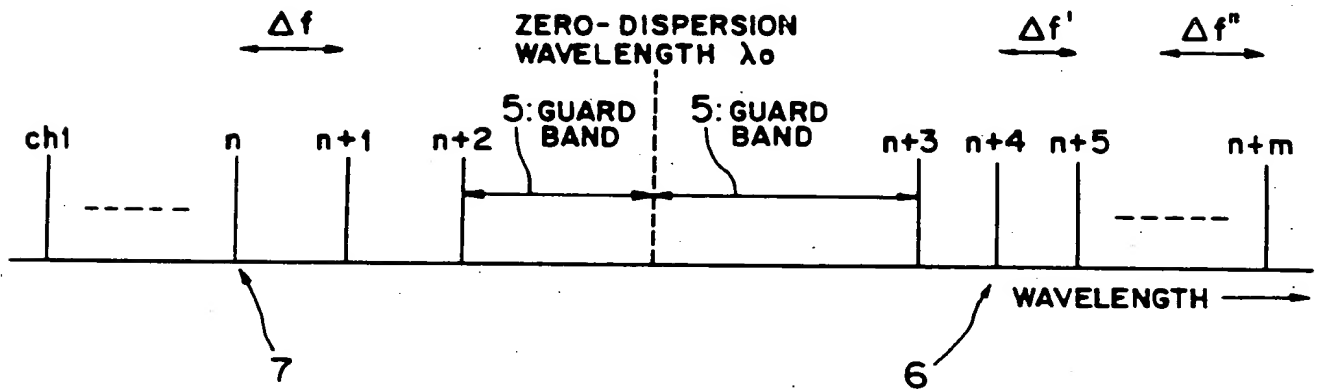


FIG. 9

WHERE OPTICAL FREQUENCY OF $ch_i = f$, SIGNAL LIGHT
WAVES ARE SET SO AS TO SATISFY OPTICAL FREQUENCY
OF $ch_j = f \pm A \cdot X$ (A: INTEGER, X: CONSTANT)

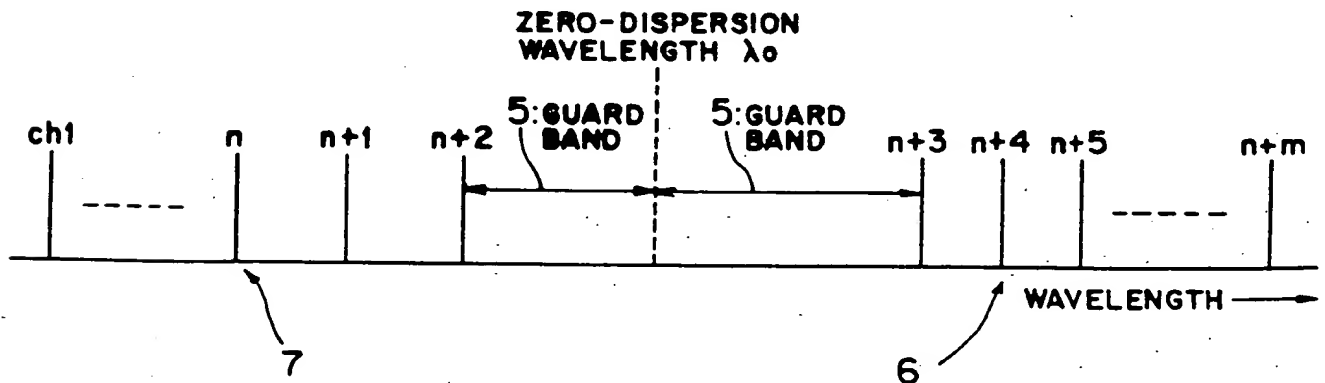
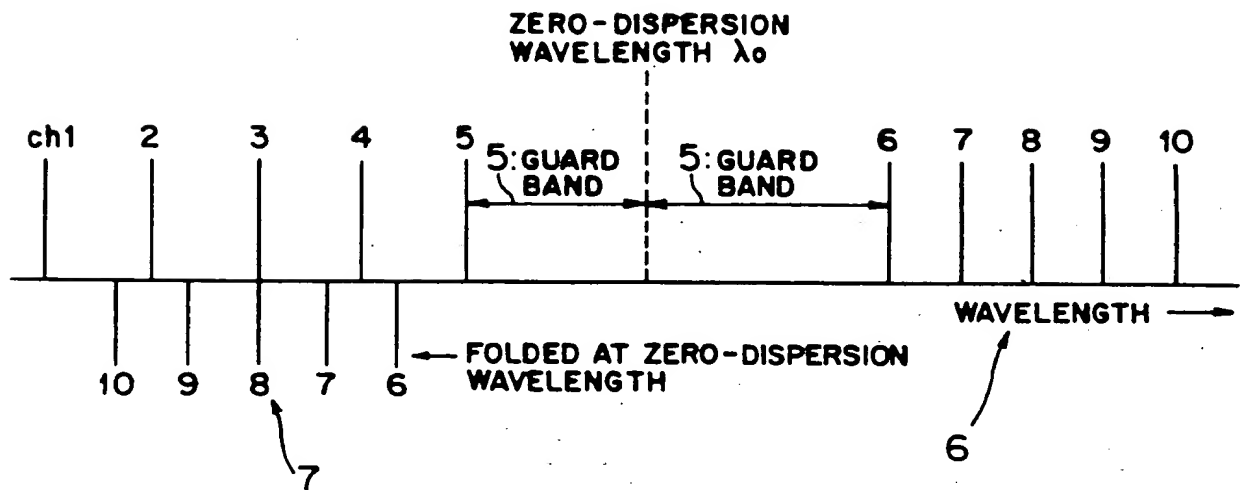


FIG. 10



606750-60608060

FIG. 11

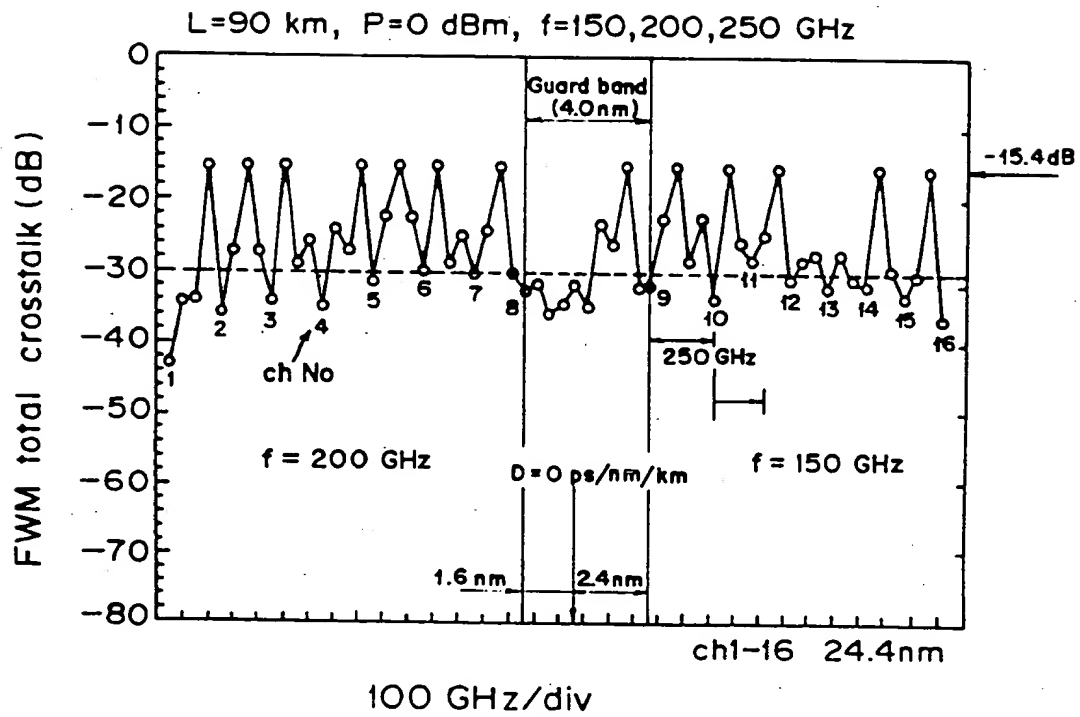


FIG. 12

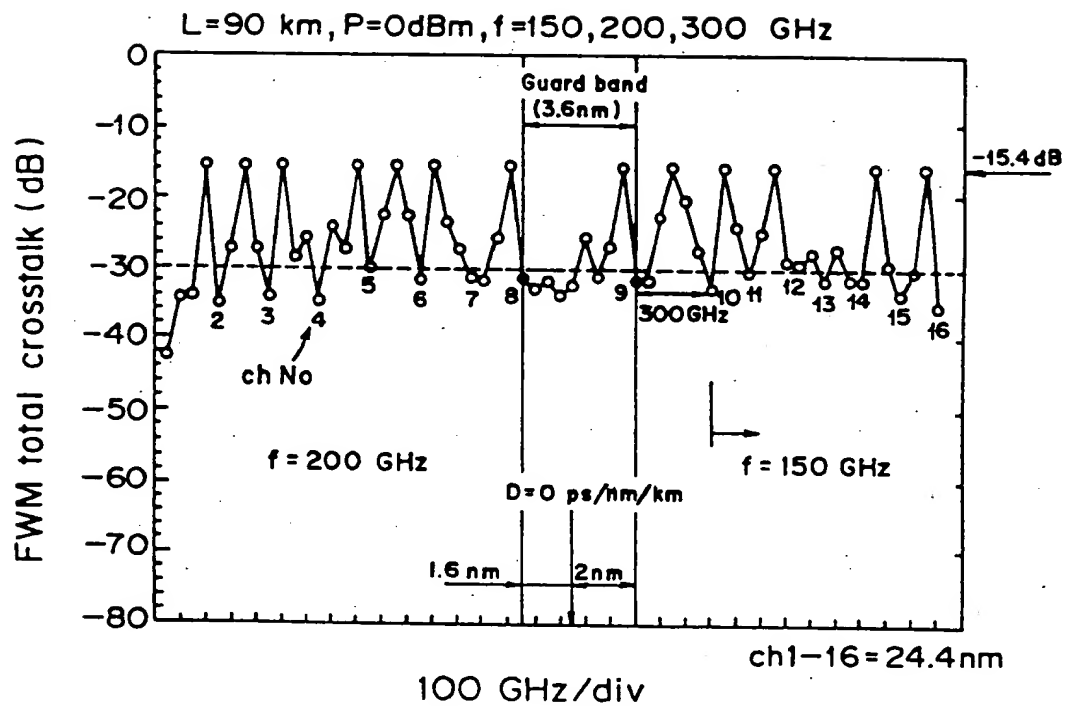
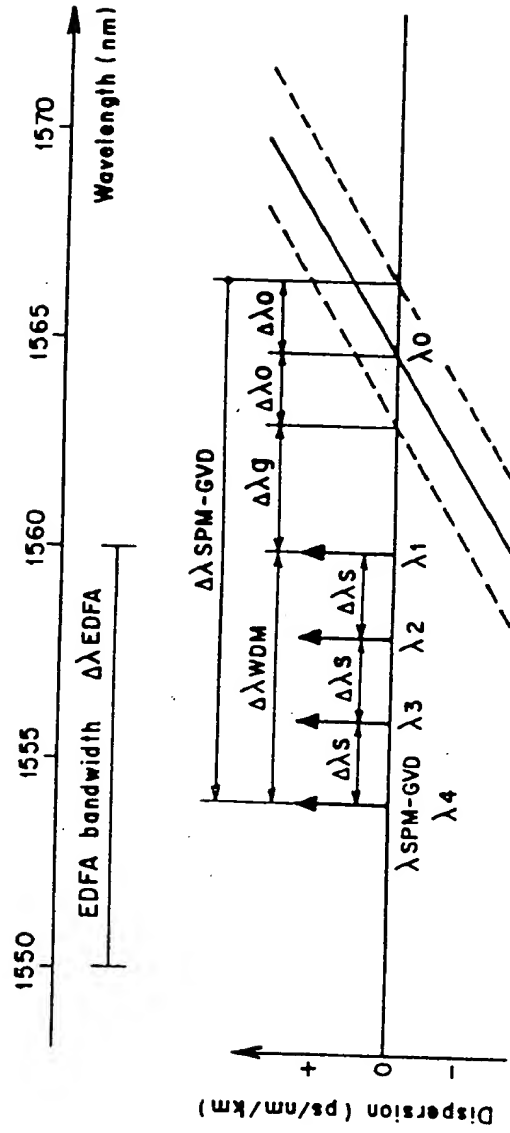


FIG. 13



2007-01-06 09:00:00

FIG. 15

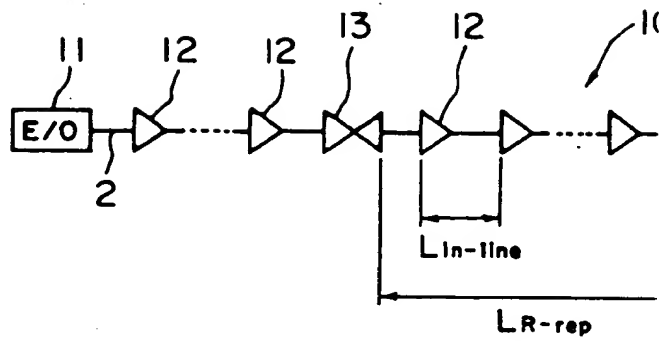


FIG. 16

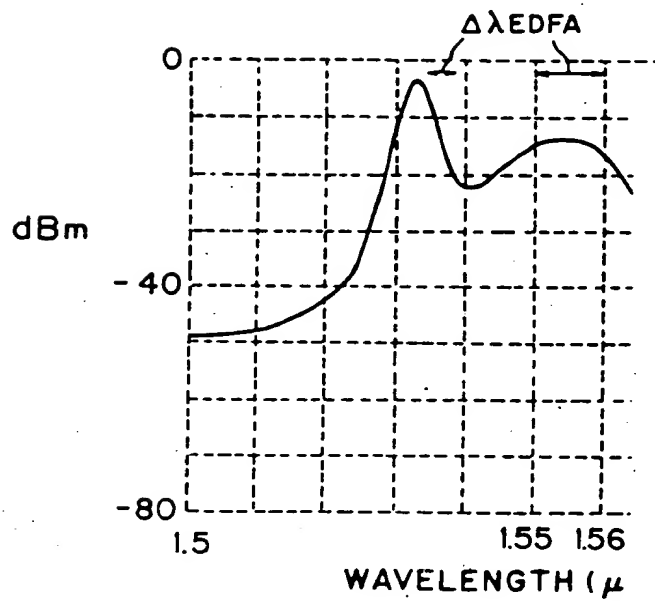


FIG. 17

ZERO-DISPERSION
WAVELENGTH OF OPTICAL FIBER

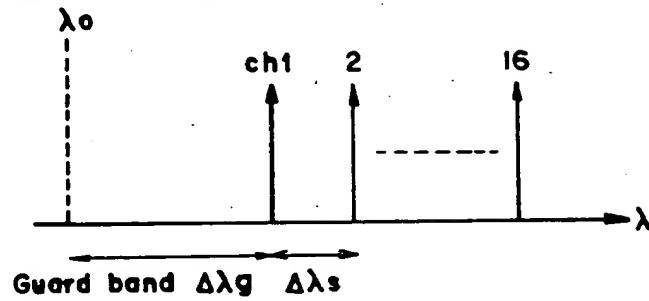


FIG. 18

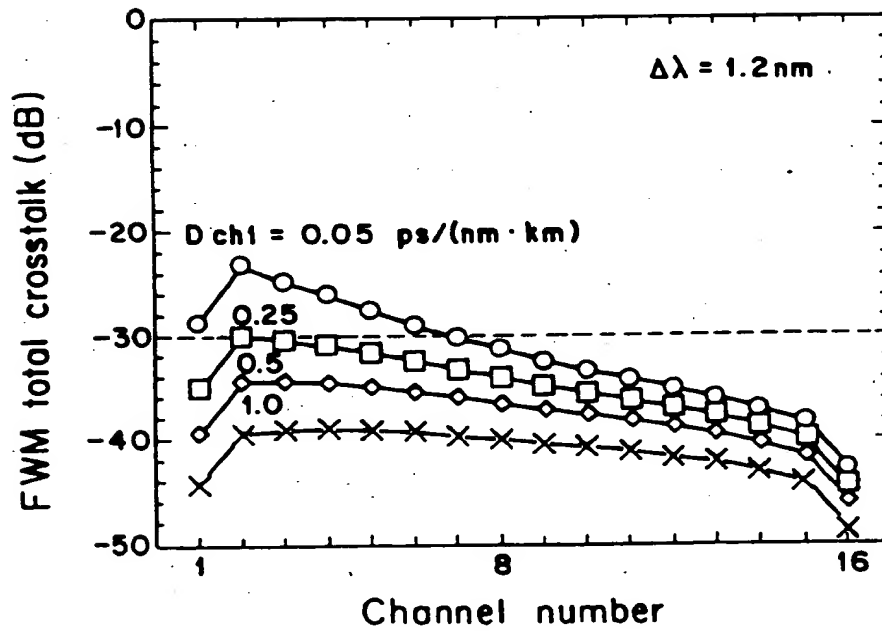
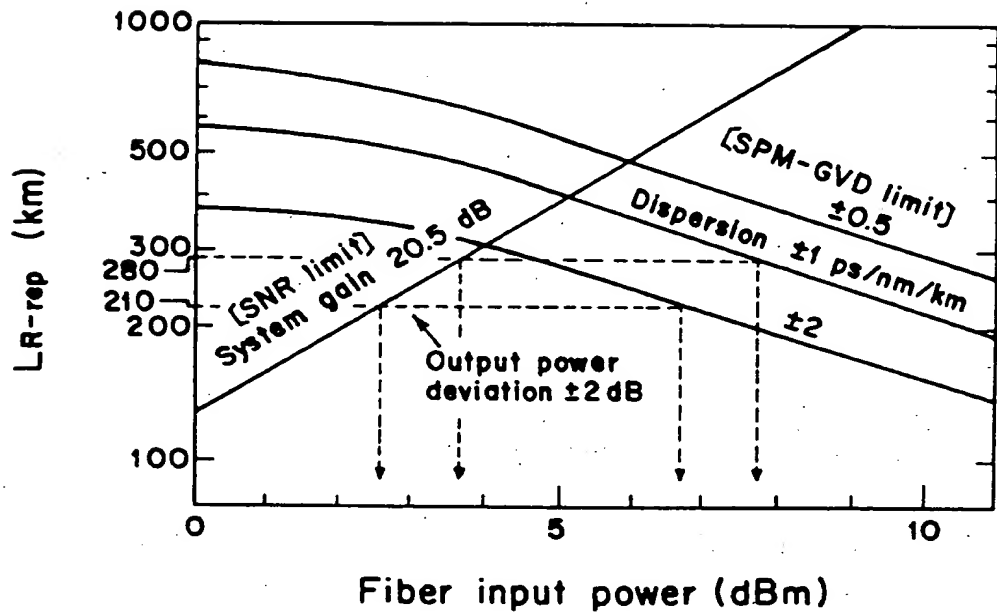


FIG. 19



10 Gb/s
 $L_{in-line} = 70$ km
 Pre-chirping $\alpha = \pm 1$
 NF = 8 dB

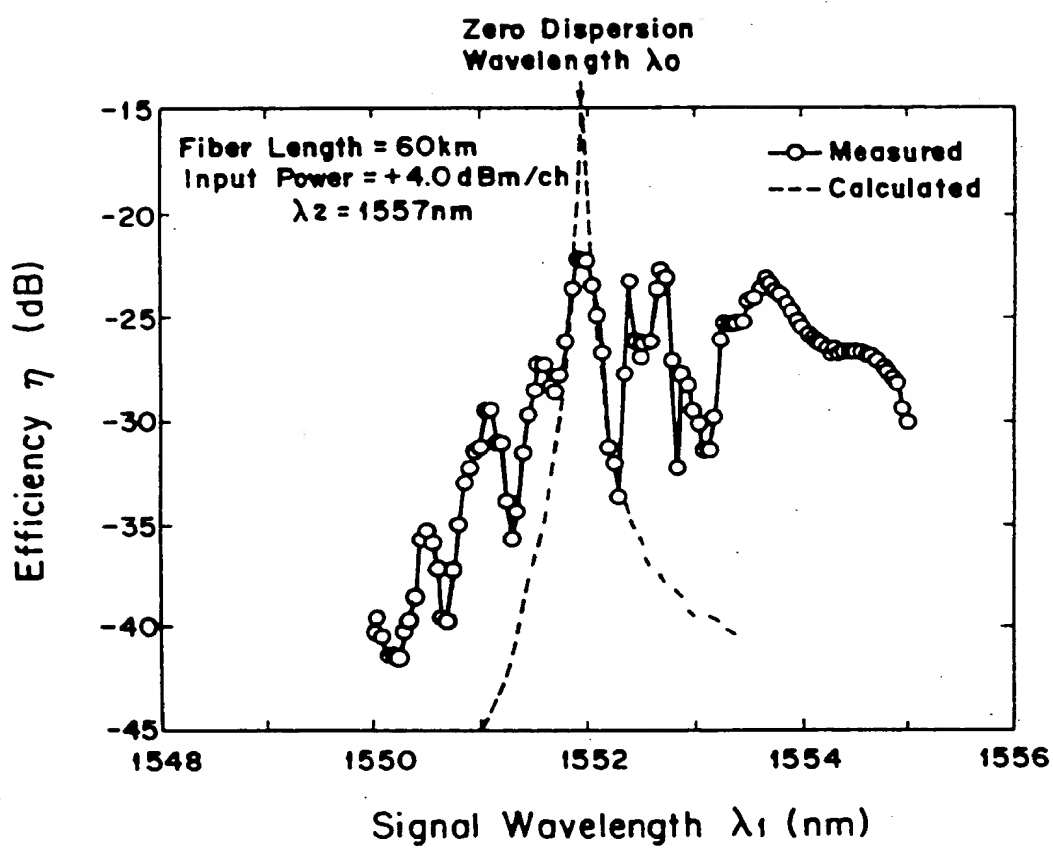


FIG. 21

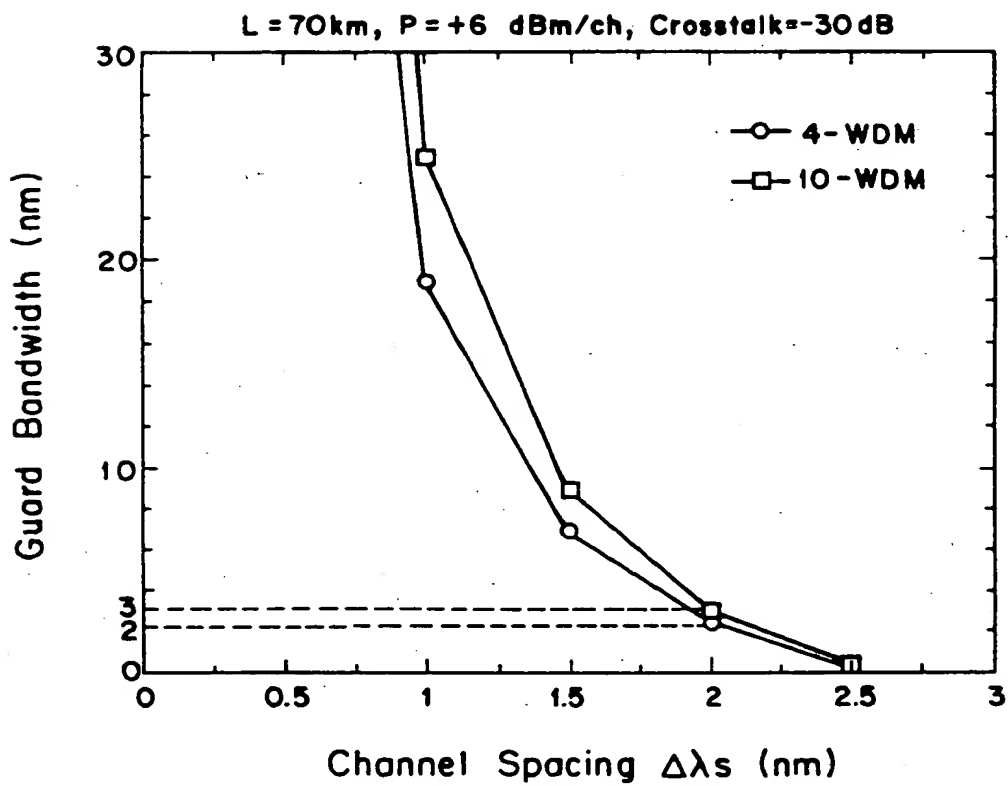


FIG. 22

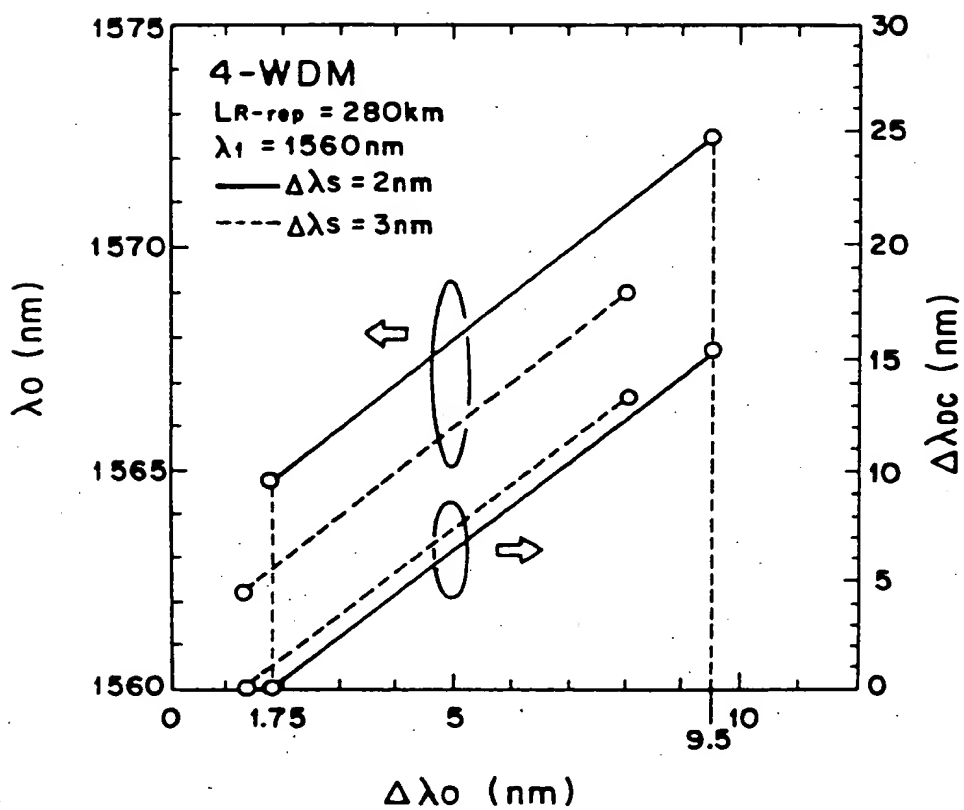


FIG. 23

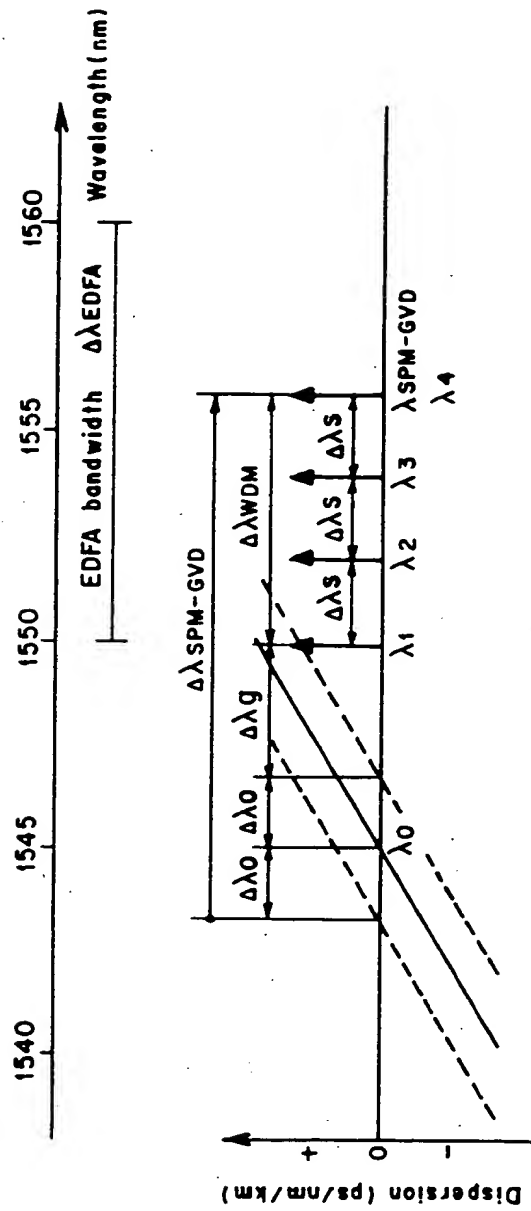


FIG. 24

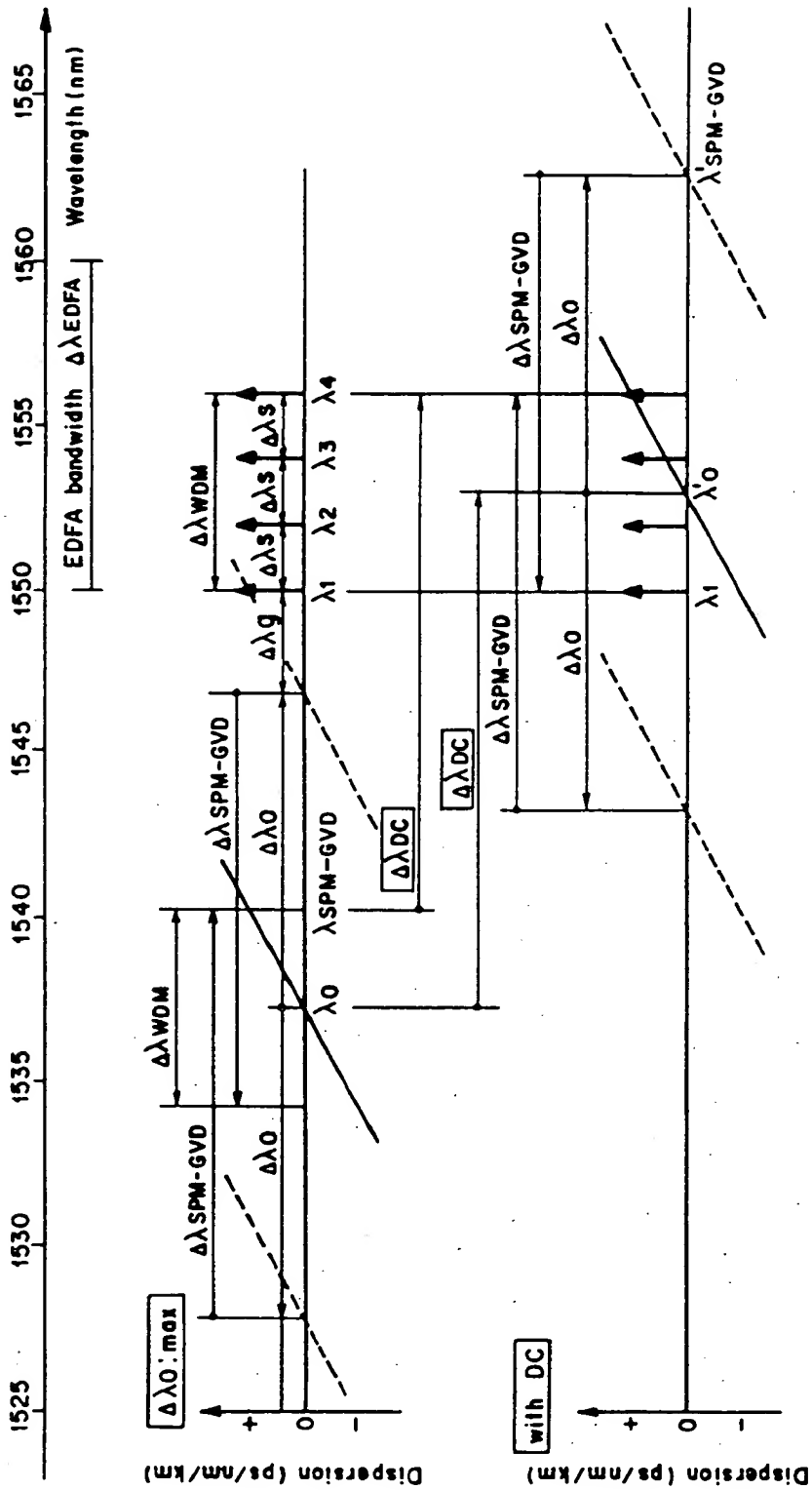


FIG. 25

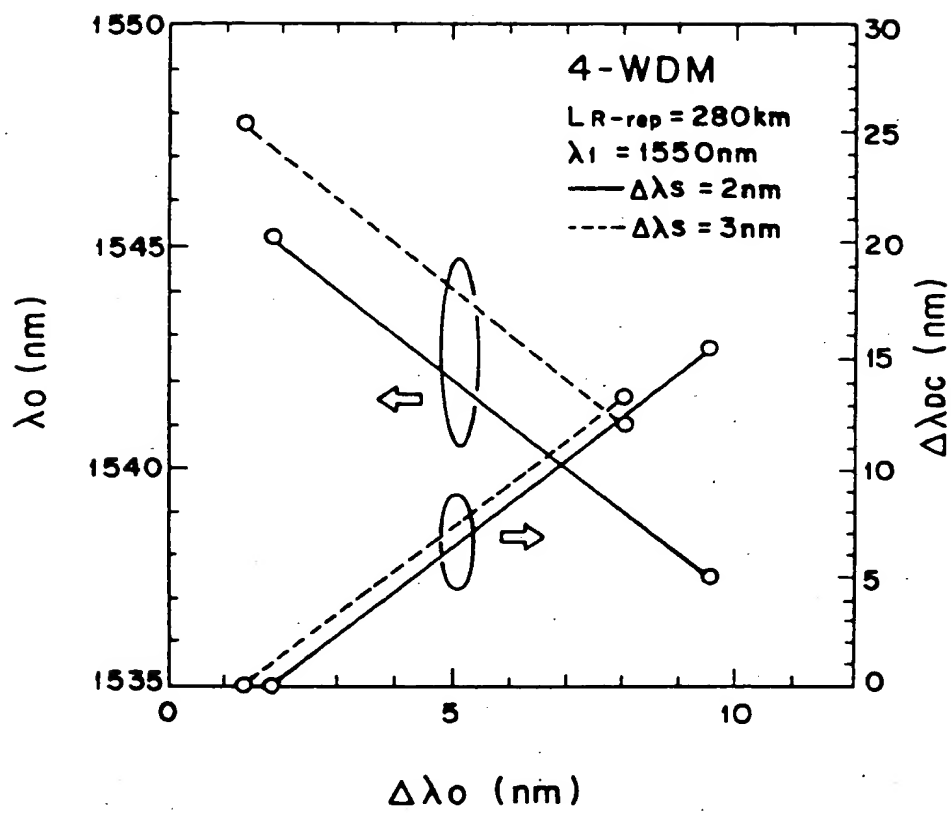


FIG. 26

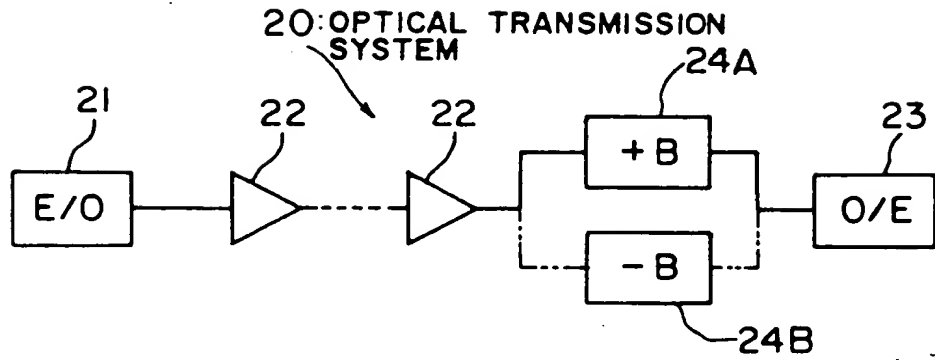


FIG. 27

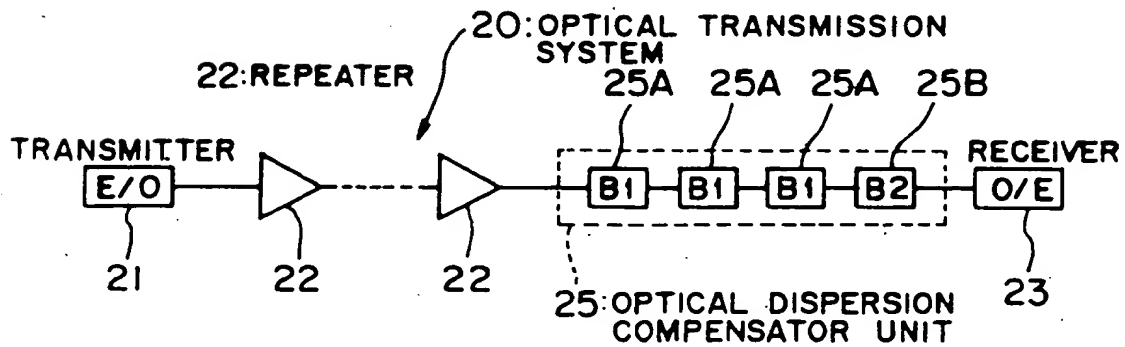


FIG. 28

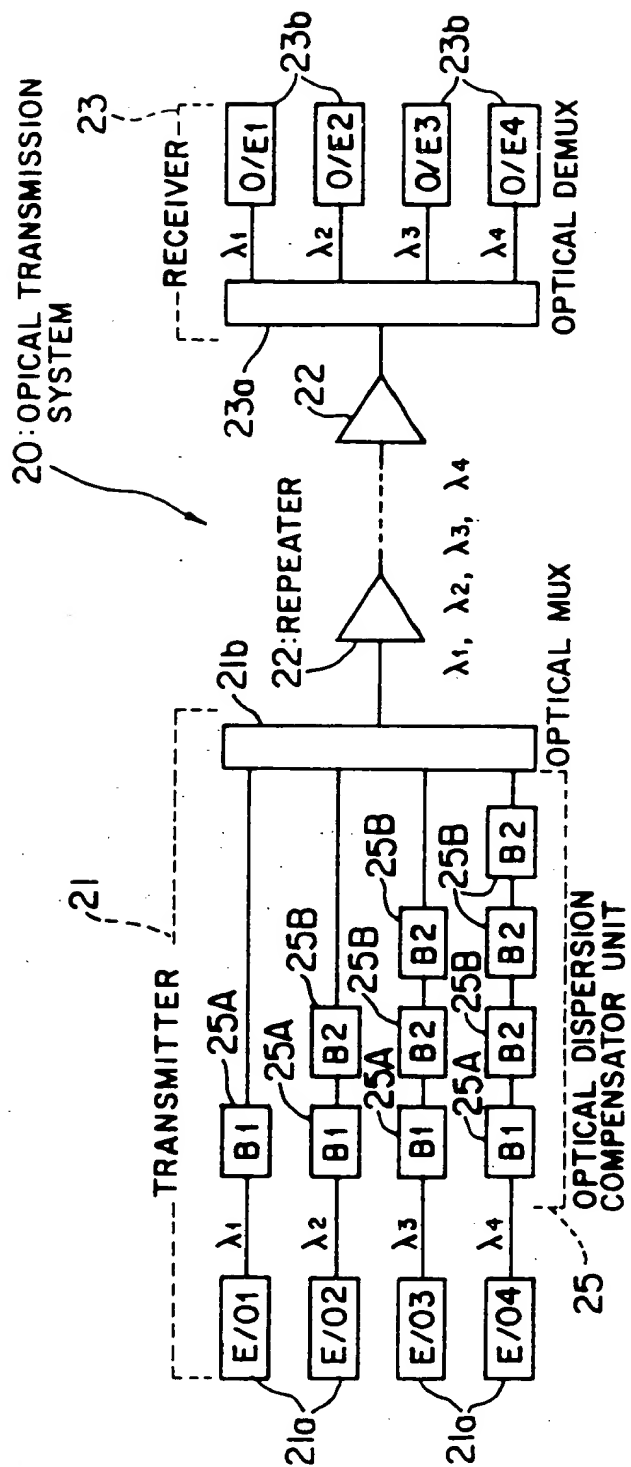


FIG. 29

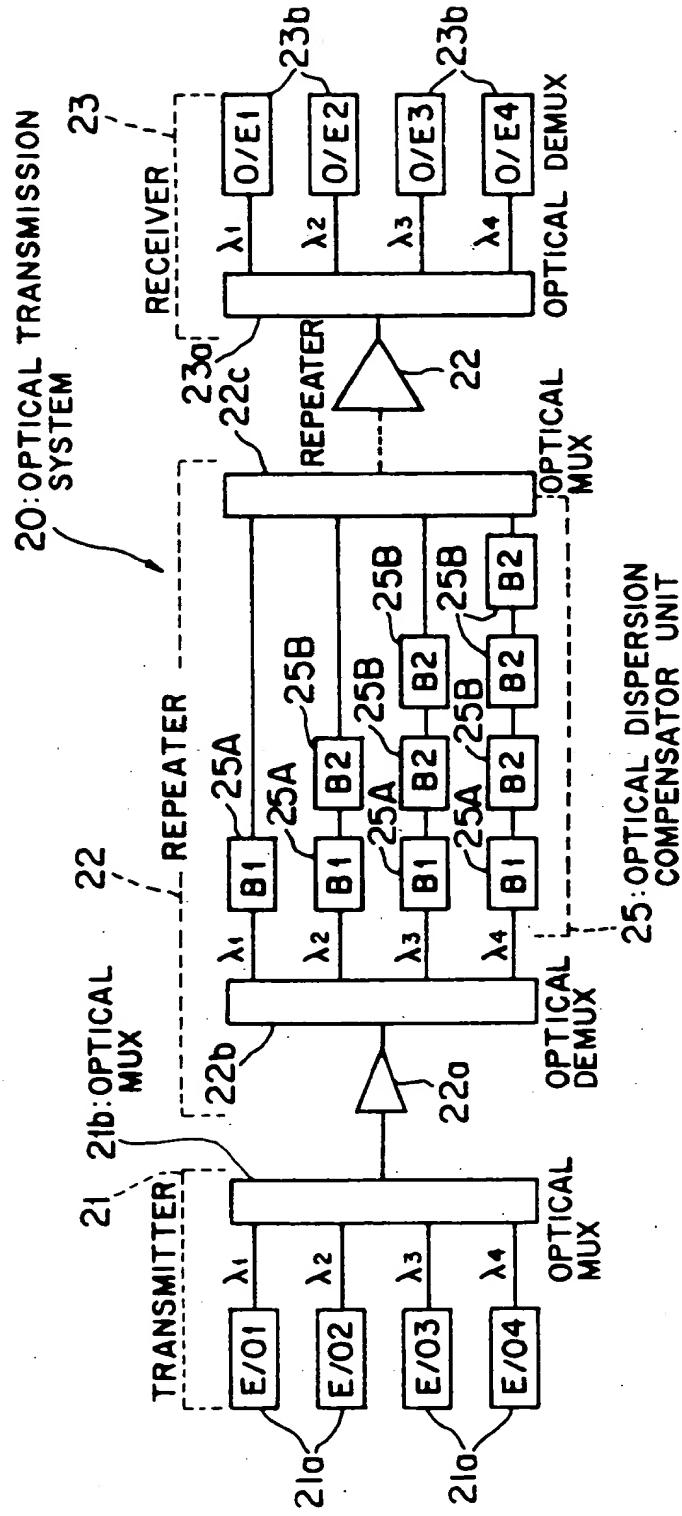


FIG. 30

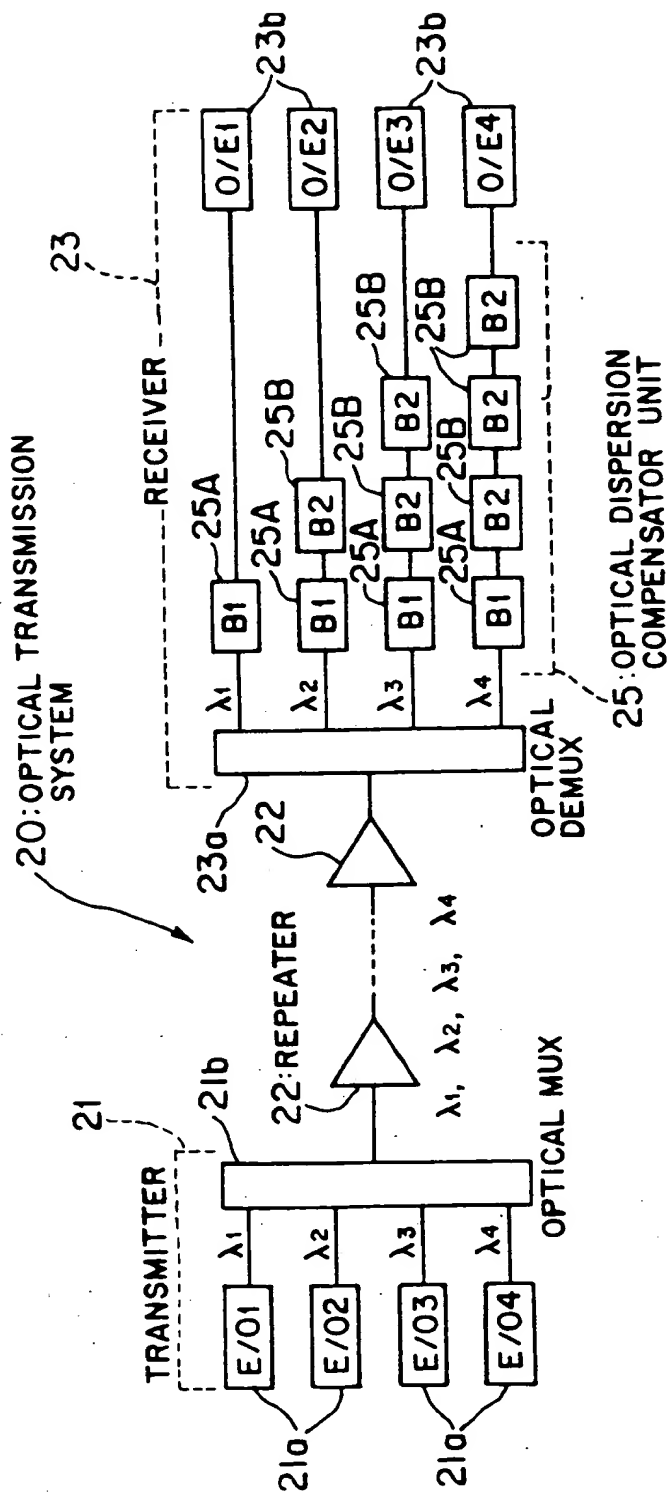


FIG. 31

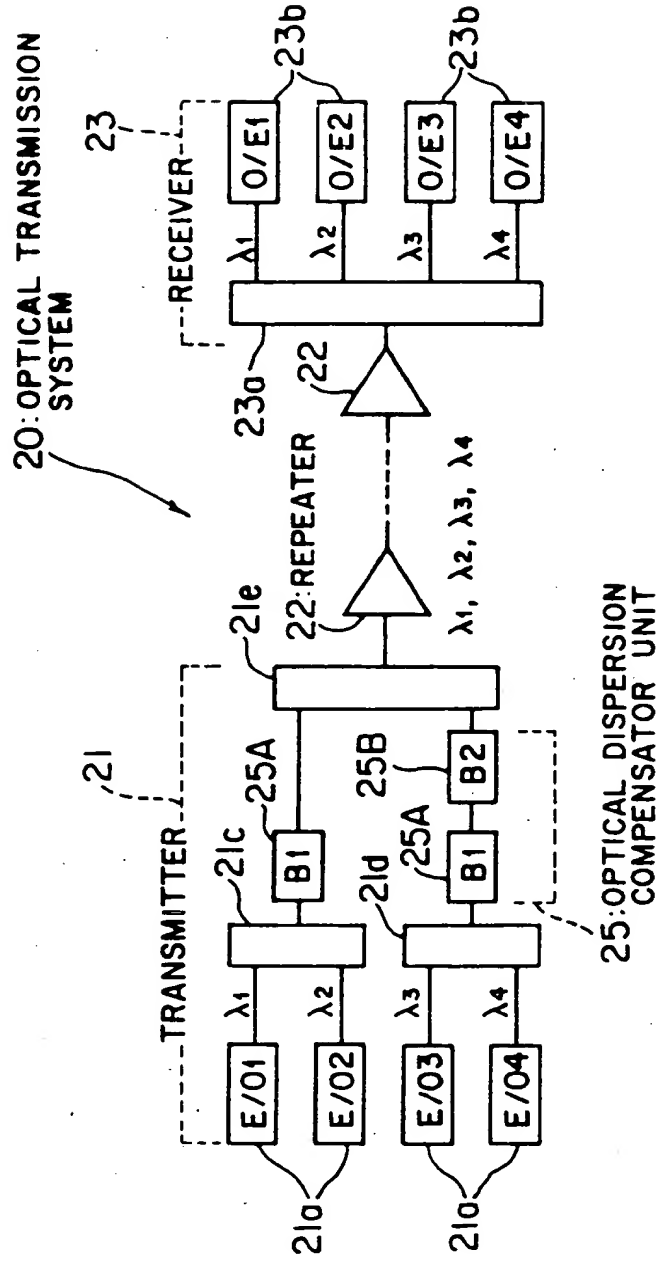


FIG. 32

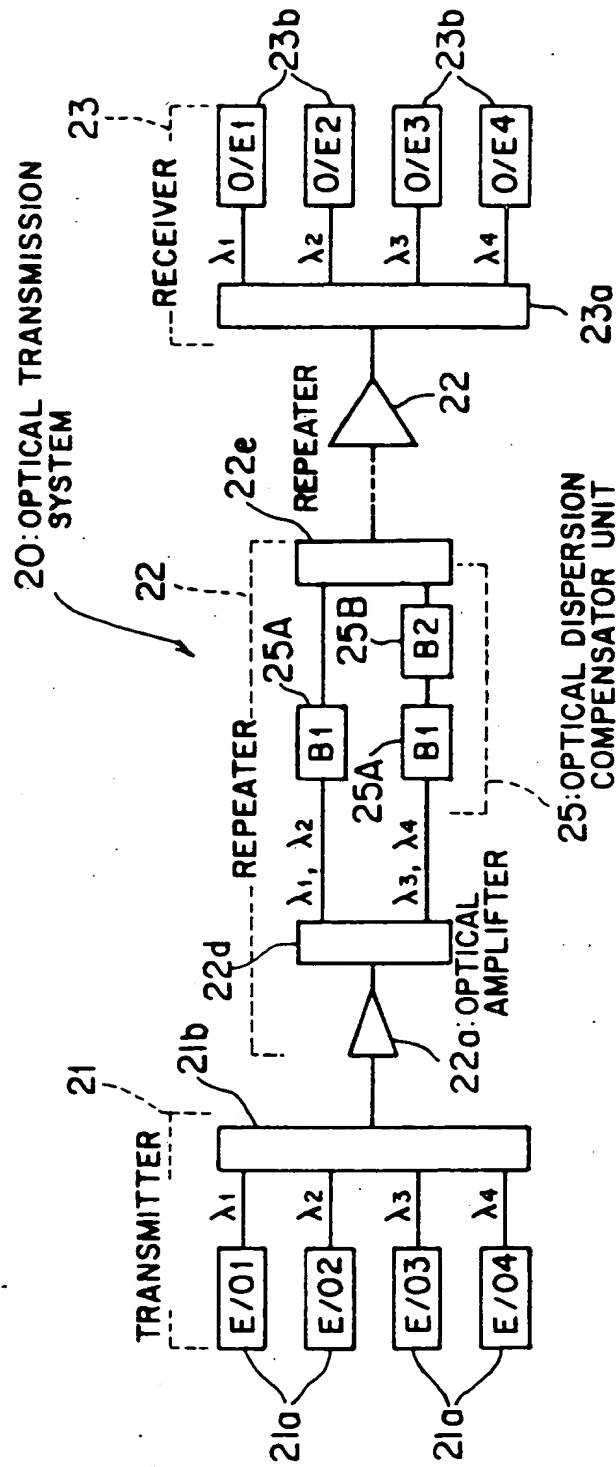


FIG. 33

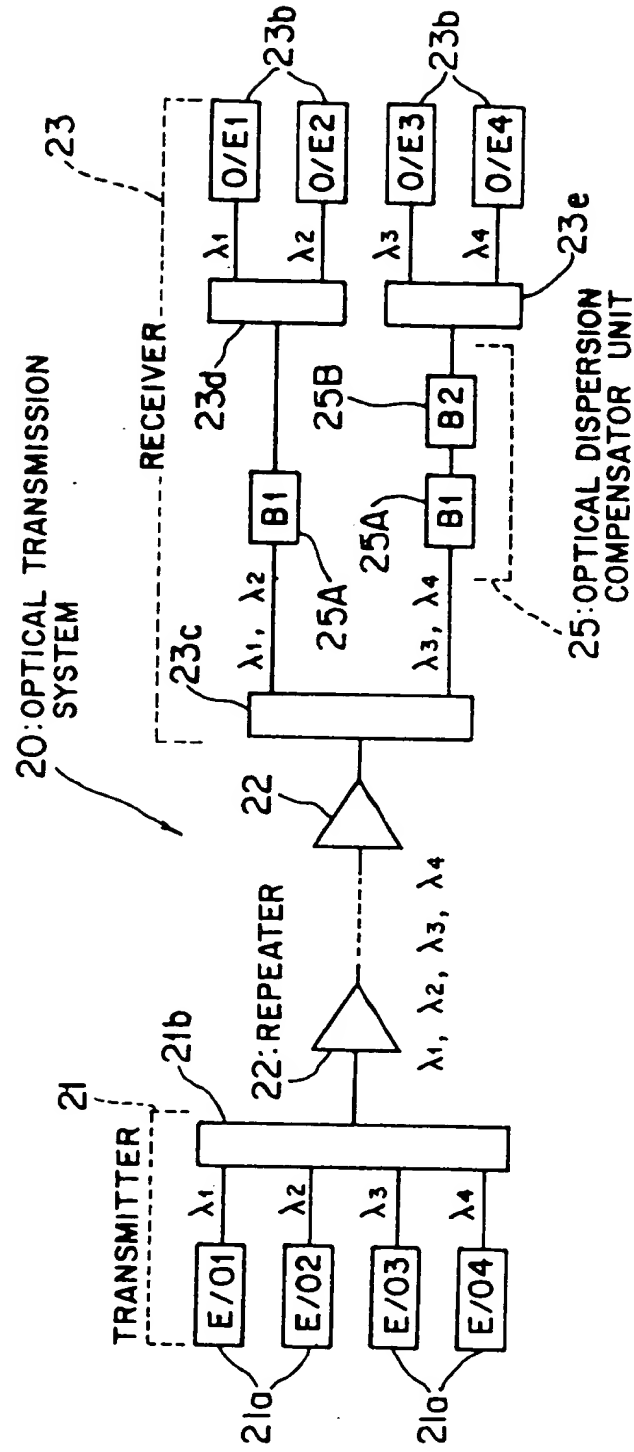


FIG. 34

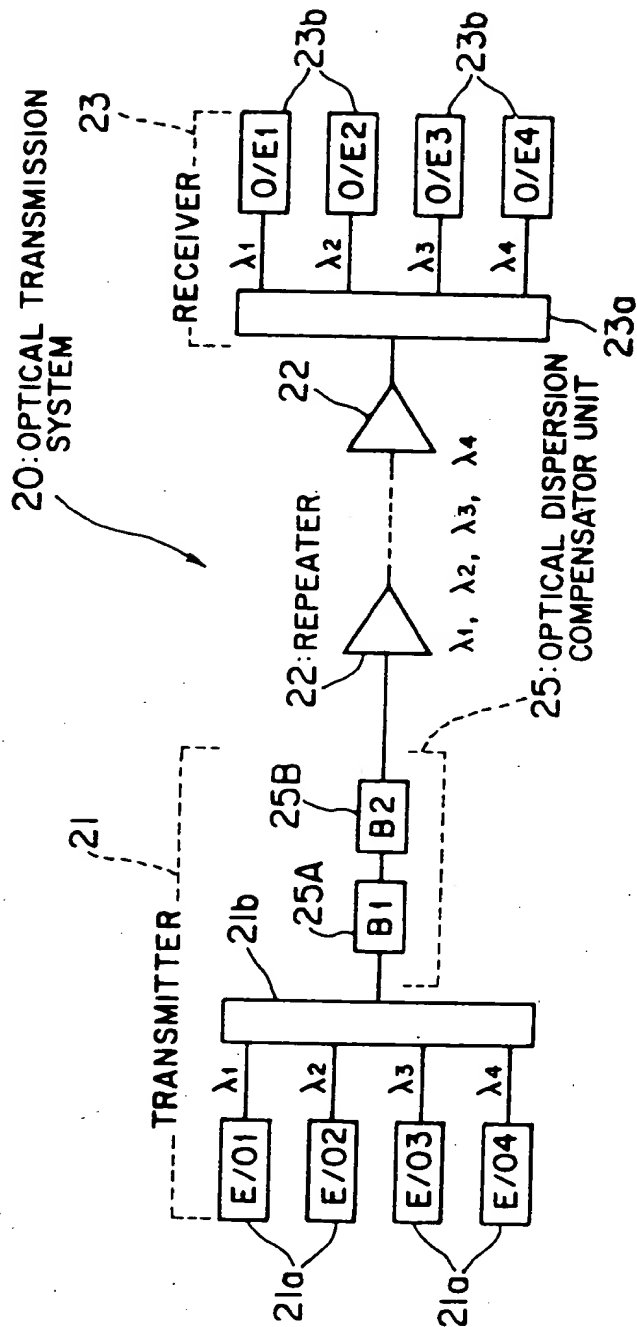


FIG. 37

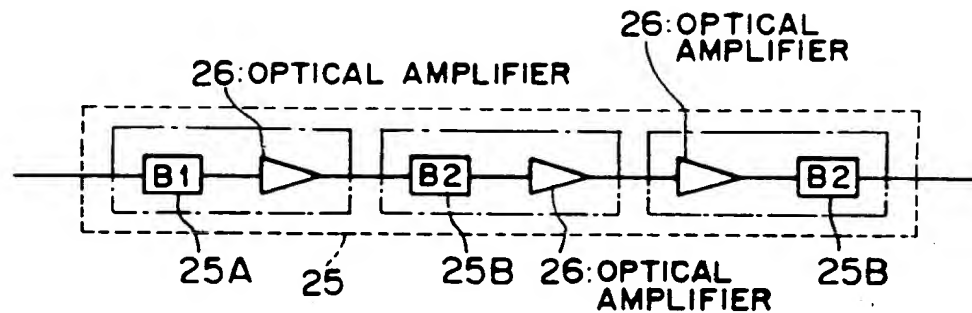


FIG. 38 (a)

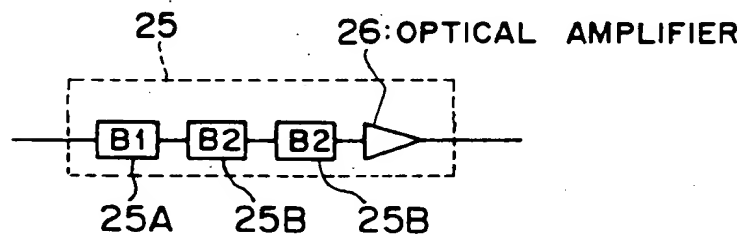


FIG. 38(b)

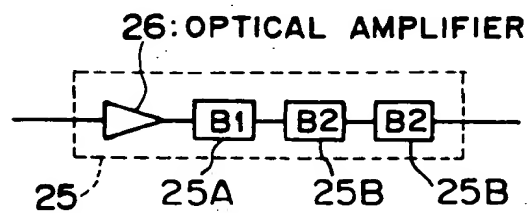


FIG. 39

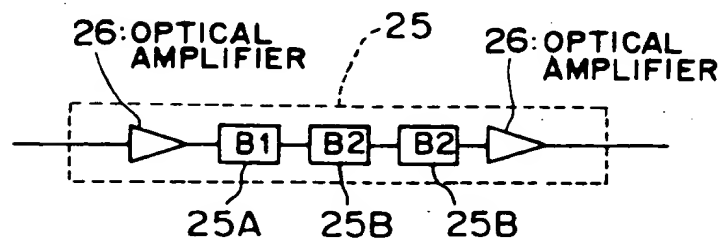


FIG. 40

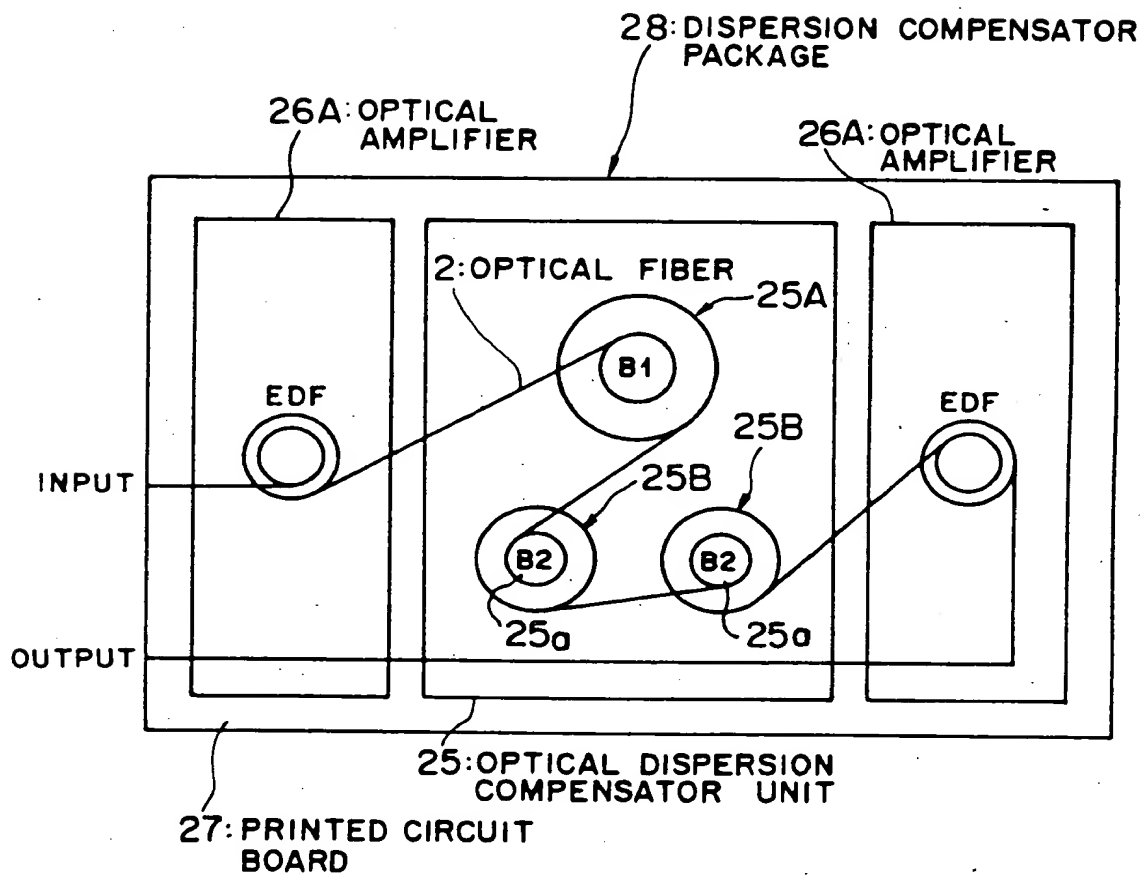
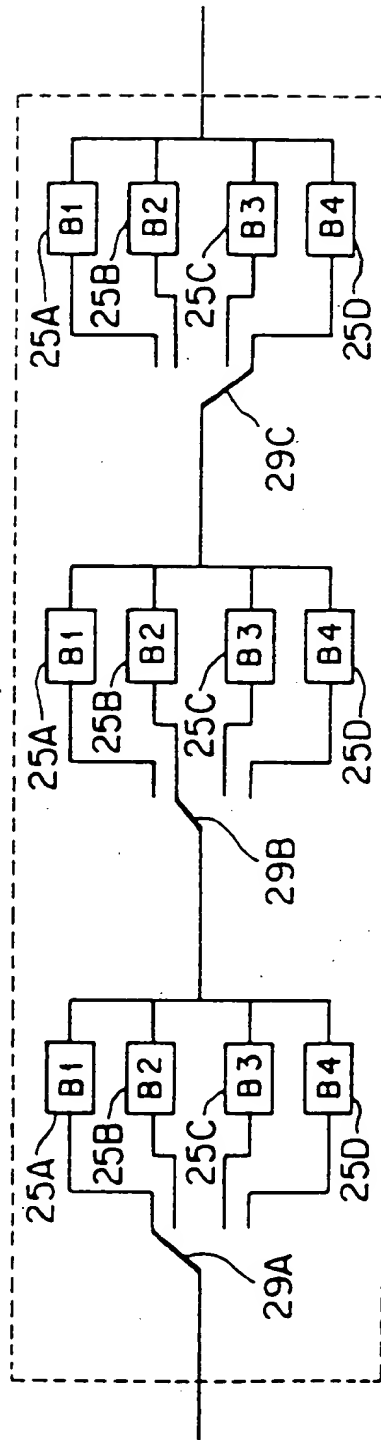
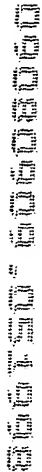


FIG. 41

32 OPTICAL DISPERSION
COMPENSATOR UNIT



[illegible][illegible]